USER MANUAL

SADV 1250 R HD

V1.0

Order No. 9103-0360

Welcome.

We are delighted that you have decided to purchase a T+A product. With your new **SADV 1250 R HD** you have acquired a top-quality piece of equipment which has been designed and developed with the wishes of the audiophile music lover as absolute top priority.

Our innovative approach to solving problems, solid and carefully thought-out construction, and the highest quality materials ensure that this unit will satisfy your greatest demands and requirements over a period of many years.

Thorough quality checking of all materials, painstaking production by highly qualified staff, and a fully automatic, computer-controlled final quality control process guarantee a product of high quality which meets the specification in full.

In our production system we avoid the use of all environmentally harmful and potentially injurious substances, such as chlorine-based solvents and CFCs.

Moreover we avoid the use of plastics (especially PVC) as a constructional element wherever possible. Instead we rely upon metals and other non-harmful materials which on the one hand are recyclable and on the other offer very good electrical shielding characteristics.

Our insistence on solid all-metal cases eliminates the problem of adverse effects on sound quality caused by external sources of interference. This also ensures that the electro-magnetic radiation (electro-smog) caused by our equipment is effectively shielded, reducing it to an absolute minimum.

Your new **SADV 1250 R HD** will play back all media that comply with the universal DVD-Video and SACD-Audio standard. This player offers the reproduction with cinema like picture with stereo or multi channel sound at the highest quality level.

All the unique features of DVD video are available, such as selecting the sound channel and sub-title language, and choosing different angles of view (also depending on DVD type). The unit also includes a child security system which allows you to determine which DVDs your children are permitted to view.

Additional to DVD discs you can also play back Video-CDs (VCD, S-VCD), JPEG picture discs, MP3 music CDs and audio CDs (CDDA). The media that can be played back are labelled with one or more of the labels below:

The unit features digital audio outputs for connection to DOLBY DIGITAL [1], dts DIGITAL OUT [2]) and MPEG multi-channel decoders.

A range of high-quality cables and connectors is available as accessories for this unit, as well as specially designed furniture matching the player's design.

Please accept our thanks for your faith in us; we wish you many hours of pleasure with your **SADV 1250 R HD**.

T+A elektroakustik GmbH & Co KG

CE All components used in this device satisfy the currently valid German and European safety norms and standards. In the interests of your own safety please read right through these operating instructions, paying particular attention to the safety notes and the instructions for setting up and operating the equipment.

1) Manufactured under licence to Dolby Laboratories. „Dolby" and the double-D symbol are registered trademarks of Dolby Laboratories. Confidential, unpublished documents. © 1992-1997 Dolby Laboratories. All rights reserved.

2) „DTS" is a registered trademark of Digital Theater Systems, Inc.

This product complies with the Low Voltage Directive (73/23/EEC), EMV Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC).

IMPORTANT! CAUTION!

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appear on your device:

Rear panel

CLASS 1
LASER PRODUCT

On the inner protective housing of the DVD mechanism

CAUTION:	VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM
VORSICHT:	SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN
ATTENTION:	RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU
DANGER:	VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM

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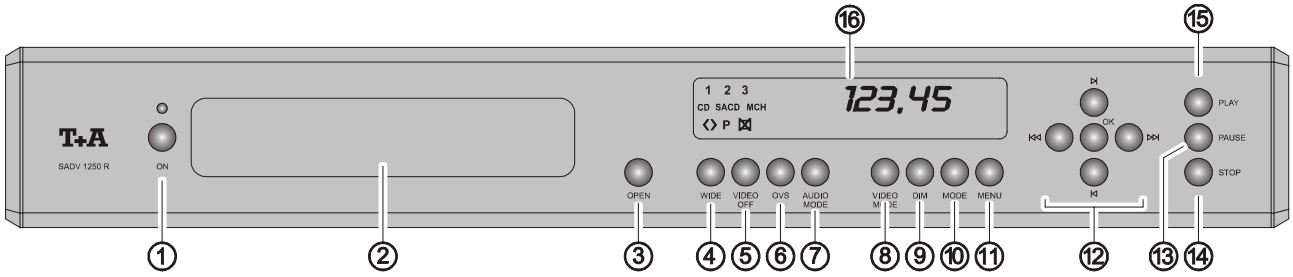
Front panel controls



① ON

On / Off switch. The green LED glows when the unit is switched on and ready to use.

Note:
If the **SADV 1250 R HD** is connected to a pre-amplifier, integrated amplifier or receiver within an **'R'** system, it can be switched off, with the whole system, by pressing the ⏻ button on the remote control handset.

Note:
The mains button does not disconnect the device from the mains completely. Some parts of the circuit are still live when the unit is switched off.

Auto-Off function

The **SADV 1250 R HD** features an automatic power-off function. If the player goes into 'STOP' mode at the end of playing a disc, and if no controls are operated in the next approx. 30 minutes, the **SADV 1250 R HD** automatically switches itself off.

② CD Drawer

The drawer of the **SADV 1250 R HD** consists of a combination of a special plastic with good damping qualities, and solid, precision-machined treated aluminium. It's floating and flexible suspension system eliminates the transfer of mechanical vibration to the disc, which can have an adverse effect on the sound.

③ OPEN

Button for opening and closing the drawer.

④ WIDE

With this button, the bandwidth of the analogue output filter for SACD playback can be switched between 60 kHz (normal mode) or 100 kHz (**'WIDE'** mode).

A security switch at the back panel of the **SADV 1250 R HD** must be set to the **'WIDE ENABLE'** to allow the wide bandwidth position to be chosen. **'WIDE'** mode cannot be chosen without the security switch set to **'WIDE ENABLE'** (also see: chapter **'*Back Panel Connections*'**).

Note:
The position **'WIDE'** should only be used in combination with amplifiers that are capable of reproducing audio frequencies up to or beyond 400 kHz. If in doubt, please consult the manual of your amplifier or ask the manufacturer.

In combination with all **T+A** amplifiers the **'WIDE'** position can be used without limitation.

⑤ VIDEO OFF (CD and SACD only)

With this button the video section of the **SADV 1250 R HD** can be switched off.

When switched off the high frequency video signals can not influence the susceptible audio signals. Switching off the video section is recommended for highest possible audio reproduction quality.

⑥ OVS

Selection of the oversampling method

Repeatedly pressing this button cyclically steps through the various oversampling algorithms offered by the **SADV 1250 R HD**.

For SACD and CD playback each have two different sets of oversampling algorithms. These special algorithms implemented in the **SADV 1250 R HD** are optimised for each data format.

A detailed description of the oversampling algorithms can be found in chapter **'Technical Description Oversampling'**.

⑦ AUDIO MODE

Selects the audio playback mode.

Brief press:

- **DVD**
  Selection of the DVD sound track (language or audio format), if there are different sound tracks on the disc.
- **SACD**
  When the disc is **stopped** this button chooses between the CD or SACD layer of hybrid SACDs. **During playback** of SACDs with stereo and multichannel areas this button toggles between stereo or multichannel playback.

Long press:

- **DVD/ CD/SACD**
  Sound mode selection (stereo / virtual surround / MCH).

⑧ VIDEO MODE

If you set the resolution to 576p or 1080I on the back panel, the VIDEO MODE button can be used to switch to 720p. If you set 720p on the back panel, pressing the button has no effect on the resolution.

The screen briefly displays the message **' 720-P '** (720p) or **' CUSTOM '** (resolution as switch position on the back panel).

⑨ DIM

Adjustment of the display brightness

By repeatedly pressing the DIM-button the brightness of the alpha-numercal display can be adjusted in 3 steps:

1. **Normal setting:**
   good legibility, even in bright conditions and sunlight.
2. **Subdued:**
   Subdued setting, for dark locations.
3. **Display off:**
   the screen is switched off completely. The screen lights up for a few seconds whenever a command is sent to the unit, so that you can see the new setting.

⑩ MODE

Brief press:
Selection of the **REPEAT-**mode.
(see chapter **'*Operation of the SADV 1250 R HD*'**).

Long press:
Selection of the display mode.

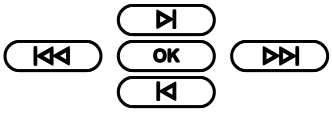
- DVD Title / Chapter
- CD/SACD Single elapsed / Single remain / Total elapsed / Total remain

⑪ MENU

A **short keypress** opens the disc menu of a video DVD. (see chapter **'Menu-Functions'**).

A **long keypress** (approx. 3 sec.) opens the **Setup Menu** of the **SADV 1250 R HD**.

⑫ Cursor block (multi function buttons)



These multi-function buttons are used for navigation within On-Screen-Menus and for play back control (track jump, cueing etc.)

	Menu-Navigation	Play Back Control
⏭ ⏮	selection buttons	These buttons are used to jump to the next / previous track, chapter or title. For MP3 music discs these buttons select a title within the current directory.
⏪ ⏩	adjustment buttons	Fast Forward / Reverse The fast mode is ended by pressing the PLAY button. For MP3 music discs these buttons select the active directory on the disc.
OK	confirm button	A short keypress will start the playback or will resume playback after a pause. A long keypress will switch to CURSOR-Mode (NAVIGATION Mode) (see chapter **'*Manual Cursor-control*'**).

⑬ PAUSE

A short press on this button switches the unit to **Pause / static picture**. Press the PLAY-button to resume playback.

During DVD playback repeated **short presses** of the PAUSE button move on to the next single frame of the film.

Repeated **long presses** (around 2 seconds) during DVD playback switch to different slow motion speeds. Press the PLAY-button to stop slow motion.

⑭ STOP

The STOP button ends playback.

⑮ PLAY

A short press on this button starts playback, or resumes playback after a **Pause**.

⑯ Screen window

All the screen elements of the **SADV 1250 R HD** are displayed in a clearly laid-out window on the integral screen:

1 / **2** / **3**	This display area shows the currently active oversampling algorithm (1...3). If none of the numbers are lit, the standard algorithm (FIR Filter) is active.
CD	is lit if a standard audio CD or the CD layer of a hybrid disc is played
SACD	is lit when a SACD is played
MCH	is lit if a multichannel track is played
〈〉	This indicator is lit, if the analog output of the **SADV 1250 R HD** is switched to high bandwidth (WIDE-mode).
P	indicates that the P-scan mode (progressive scan) is active for the YUV component video output
☒	this indicator is leit, if the video output is switched OFF (pure high quality AUDIO-Mode).
123,45	Alpha-numerical display area for indication of track, time or operation mode. This area is also used for context depending messages for example during player menus.

Note:

In case the message '*OVERHEAT*' is displayed on the display, the **SADV 1250 R HD** has become too hot.
Please make sure that the device is sufficiently supplied with cooling air and that the air can freely flow around the case of the device. Read and follow all instructions given in chapter Setting up the **SADV 1250 R HD**. Please do not place the **SADV 1250 R HD** directly on top of other hot devices like amplifiers etc.

Hints for using the SADV 1250 R HD in combination with SR 1535 R and DD 1535 R

Wire the system according to the diagrams and execute all steps described in the chapters '***Setting up the SADV 1250 R HD, Wiring and Safety Notes***'.

Operation of DD 1535 R (software version > 1.10)

- For DVD (S/VCD) playback choose the DVD input.
- For playback of CDs in Stereo mode choose "CD" as source and switch to PREAMP-mode. You will now hear the CD in highest possible sound quality over the excellent D/A converters of the **SADV 1250 R HD** and the short direct and audiophile signal paths of your **T+A** stereo amplifier.
- To play back CDs in ProLogic or NEO:6 surround mode choose CD as source and switch your system to SURROUND mode (green SRND button). You can now choose the surround mode using the main menu of your **DD 1535 R**.
- For playback of SACDs choose 'CD' as source and switch to the multi-channel input of the DD1535R (green SRND -button).

Operation of SR 1535 R (software version > 1.20)

- For DVD (S/VCD) playback choose the DVD input.
- For playback of CDs in Stereo mode choose 'CD' as source. You can now select a sound mode (Stereo, Surround, Sound Fields etc.) by pressing the green SRND button.
- For stereo reproduction in the highest quality, switch to HIGH-QUALITY mode using the FLAT button underneath the flap of the **SR 1535 R**.
- For playback of SACDs choose 'CD' as source and switch to the multi channel input (MCH-IN) with the green SRND button. You will now hear the SACD in Stereo or multi-channel mode depending on the audio mode setting of the **SADV 1250 R HD** (see AUDIO MODE button).

Remote control of the SADV 1250 R HD

General

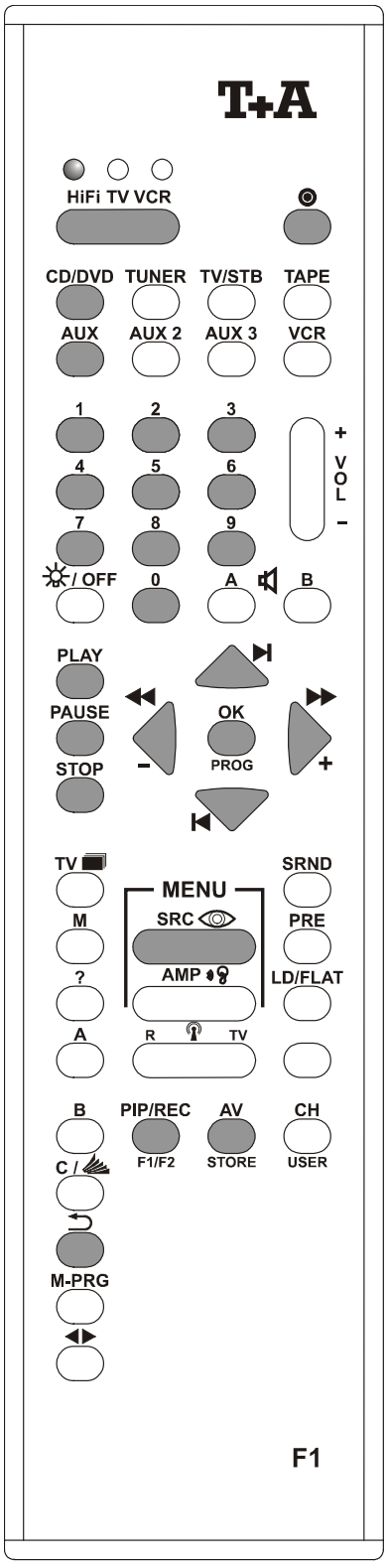
The **SADV 1250 R HD** can be remote operated with the T+A remote controls **F6** and **F12** or with the system control **F1**.

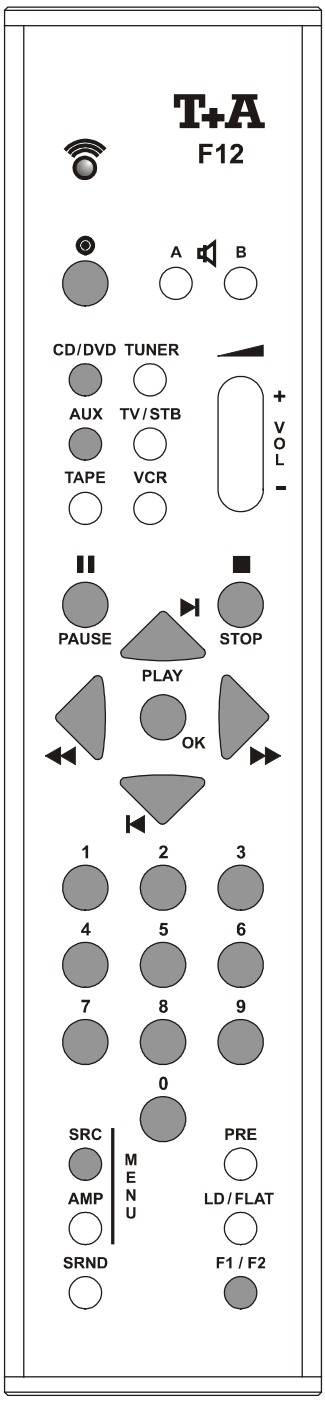
On the following diagrams all buttons used for the control of the **SADV 1250 R HD** are marked '[redacted]'. All other buttons are without function for the **SADV 1250 R HD**.

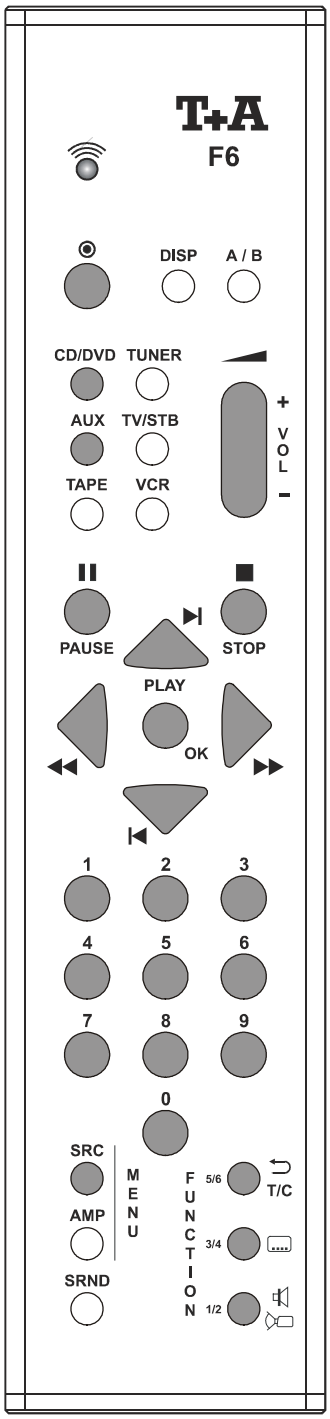
The **SADV 1250 R HD** receives remote control commands from the **R**LINK –Master device (amplifier or surroundreceiver). It is switched ON with the CD / DVD button.

Note:

If there is no master unit present, the **SADV 1250 R HD** can be directly remote operated with the remote control set (FBS12, FBS6) which is available as an optional accessory.







F1	F12	F6	
⏻	⏻	⏻	Switches DVD player to stand-by
HIFI TV VCR			Switch to HiFi control
CD / DVD AUX	CD / DVD AUX	CD / DVD AUX	Switches DVD player on, selects DVD as program source - Switches **SADV 1250 R HD** ON, if **RLINK** 2nd ADDR = AUX ist selected (switch on back panel)
PLAY			start playback, re-start playback after pause
⏭	⏭	⏭	In STOP mode: Starts playback (PLAY) During playback: Selects next title MP3-CD: Select the next track within an album directory
⏮	⏮	⏮	Selects previous title MP3-CD: Select the previous track within an album directory
⏪ ⏩	⏪ ⏩	⏪ ⏩	Fast rewind / forward MP3-CD: Select the album
OK	OK	OK	**brief press:** Ends following modes: PAUSE / SEARCH / SCAN **long press:** Switches to cursor control (see '***Manual cursor control***') **MP3-CD:** Start playback
SRC	SRC	SRC	**brief press:** Open Disc menu (see **'*Menu function*'**) **long press:** open player on-screen menu
PAUSE	PAUSE	PAUSE	**brief press:** Interrupt playback Next individual DVD frame **long press:** Slow motion: $^1/_2$, $^1/_4$, $^1/_8$ speed
STOP	STOP	STOP	**brief press:** End playback **long press:** Open drawer
0 .. 9	0 .. 9	0 .. 9	Number buttons: direct track / chapter select
⮌		⮌	**brief press:** select **REPEAT** mode (see **'*Operating the SADV 1250 R HD*'**) DVD chapter / title / disc / off VCD/CD / MP3 / SACD / JPEG track / disc / off **long press:** select display mode (see button **'MODE, *Front panel controls*'**) DVD title / chapter CD/SACD single elapsed / single remain / total elapsed / total remain
PIP	F1 / F2	⏯	**brief press:** changes between different sound tracks (languages or DOLB/dts/stereo sound) if there are multiple sound tracks on the disc (same function as AUDIO MODE button on the front panel) during playback: MCH / Stereo stopped disc: SACD / CD-DA Layer selection **long press:** Camera view angle
AV STORE		💬	**brief press:** select sub title language or sub title off **long press:** select sound mode (stereo / virtual surround / multichannel)
Menu control ⏭ ⏪ ⏩ ⏮ OK			In Select menus the following buttons are used for navigation within the menu: up left right down Select / confirm button *[ENTER]*

Operating the SADV 1250 R HD

Switching on

Press the (ON) button on the front panel of the unit. The green indicator LED above the button lights up, as does the display screen. The unit is now ready for use.

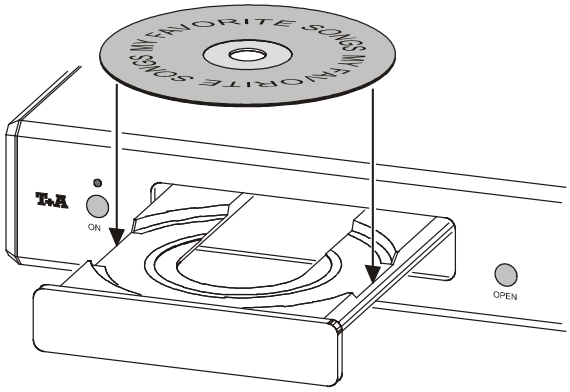
For Stereo playback (CD /SACD) switch ON your HiFi system and select the audio input the **SADV 1250 R HD** is connected to.

For playback of SACD multichannel discs select the analogue 5.1 or 7.1 multichannel input of your surround amplifier or surround receiver.

For playback of DVDs select the appropriate digital input of your surround decoder or surround receiver. Switch on your TV set and choose the video input to which the **SADV 1250 R HD** is connected to.

Loading a Disc

1. Press the (OPEN) button on the front panel to open the drawer.
2. Place the disc in the **centre** of the circular recess in the drawer, **with the side to be played facing down.**



3. Press the (OPEN) button on the front panel to close the drawer.

Note:

After closing the disc tray, the **SADV 1250 R HD** automatically selects the playback mode suited best for the format of the disc /Stereo for CD, MCH for DVD and SACD).
Please make sure that for SACD playback the 5.1/7.1 multichannel input and for DVD playback either the digital input or the 5.1/7.1 multichannel input of your surround amplifier/receiver is selected.
For CD playback either the stereo- or the 5.1/7.1 MCH Input of your amplifier can be used.

Starting playback

Some discs feature an “autostart” function. These discs will start automatically. Other DVDs show an On-Screen-Menu after start-up. Please follow the instructions of the menu.

CD and SACD are started by pressing the (PLAY)-button.

Starting playback

Some discs feature an “autostart” function. These discs will start automatically. Other DVDs show an On-Screen-Menu after start-up. Please follow the instructions of the menu.

CD and SACD are started by pressing the (PLAY)-button.

Stopping playback

You can stop playback at any time by pressing the (STOP) button.

Resuming playback

You can resume playback of a stopped CD / DVD / VCD by pressing the (PLAY)- button on the front panel, or the ⏭ or (OK) button on the remote control handset.

RESUME

After loading a previously played DVD/VCD the playback can be continued at the position where the playback was interrupted before. Please press the (PLAY) / (OK) button while the **'RESUME'** icon is displayed on the screen.

Note:

Some discs suppress the resume function in which case, these discs can only be started from their disc menu.
The **RESUME** function is available not only for the DVD played last, but also for the last four DVDs that were played.

Selecting a Chapter or Title

1.) Selecting using a skip button

You can initially select CD tracks, DVD titles or chapters by pressing the skip forward button ⏭ or the skip back button ⏮ repeatedly until you reach the desired point.

Note regarding DVD:

If the last chapter of a title is reached, the machine skips automatically to the previous or following track.

2.) Selecting using the DVD disc menu

Most DVDs feature a Select menu for titles and scenes in a film. Once you insert a DVD this menu usually appears automatically. During playback the disc menu can be opened at any time by pressing the (MENU) button on the front panel or the blue (SRC) button of the remote control briefly (**F1**: bue (SRC ◁▷) rocker).
Select the desired scene in the disc menu and confirm your selection by pressing the (OK) button. Playback will jump now to the selected scene.

3.) Selecting chapter and track - direct numeric input

It is also possible to select a DVD chapter or CD track by entering the number of the section using the numeric buttons ((0) . . . (9)) on the remote control handset.

Note:

If the number has more than one digit, press the digits quickly in sequence.

SEARCH

The standard search takes place at quadruple speed, and is started by pressing the front panel buttons ⏮ / ⏭ or the remote control buttons ◀◀ / ▶▶. Press the search button again to increase the search speedto 32 times normal speed. The search can be stopped at any time by pressing the OK button.

The sound is muted during the search process.

SEARCH via the On-Screen-Menu

The search function can also be controlled by the OSD (see '***Menu Toolbar/Search***').

REPEAT

The device offers several **REPEAT**-modes for repeating chapters, titles or entire discs:

- DVD Chapter / Title / Disc / Off
- VCD/CD / MP3 / SACD / JPEG
  Track / Disc / Off

REPEAT mode	Screen display (short message)
Chapter	RPT CHAPT
Title Track	RPT TITL RPT TRACK
Disc	RPT DISC
Off	RPT OFF

To switch on and select a **REPEAT** mode press the MODE button on the front panel repeatedly until the desired mode is displayed.

REPEAT using the F1/F6 remote control handset
• The **REPEAT**-modes can be selected with the ⮌ button.

Play back of MP3 / JPEG / Kodak Picture CD

The **SADV 1250 R HD** can play back MP3, JPEG, VCD and SVCD files from recorded available CD-R/RW discs or from comercially available CDs.

A MP3-CD may contain up to 32 album files (directories) with music titles.

To select an album file use ⏪ / ⏩ buttons on the front panel or the ◀◀ / ▶▶ buttons of the remote control.

To select one title/track within a directory ⏮ / ⏭ buttons on the front panel or the ⏭ / ⏮ buttons of the remote control.

The desired album / title number can alternatively enteres directly using the numerical buttons of the remote control:

- In STOP-mode the number buttons are used for the album selection.
- During PLAY the number buttons select a track within the current album.

Play back of a MP3 title can be paused by pressing the PAUSE button and be resumed by pressing the ⏭ / PLAY button.

Note:

Due to the big number of tracks on a MP3 discs it may last a couple of seconds until the disc structure is read and entirely resolved by the player.

Only the first session of Multi-Session-Discs is supported by the **SADV 1250 R HD**.

The following formats are suppoerted:

- CDs according to ISO 9660
- max. 30 characters
- max. 8 directory levels
- max. number of albums: 32
- VBR-bit rate supported
- sampling frequencies for MP3-CD: 32 kHz, 44.1 kHz, 48 kHz
- supported bit rates for MP3-CD: 32, 64, 96, 128, 192, 256, 320 (kbps)

following formats are **not** supported:

- *.WMA, *.AAC, *.DLF, *.M3U, *.PLS
- file names containing chinese symbols
- disks containing sessions not closed (Non Session Closed)
- discs recorded in UDF-format
- files containing ID3V2 tags

Listening to SACD

It exist three types of SACD discs: single layer, double layer and hybrid discs. The hybrid discs contain a standard CD and a SACD layer.

The SACD layer should always contain the music in a pure stereo format. Additionally it may contain the music in multi channel format. Some rare discs however contain only multi channel signals on the SACD layer. The **SADV 1250 R HD** can play back all of these discs. Please follow the instructions below.

Play back of Super Audio CD (SACD)

Stereo SACD

- The player will automatically select the stereo SACD layer as the default. After reading the disc, the SACD indicator will light up.
- Now the disc may be started by pressing the PLAY button.

SACDs containing a stereo and multi-channel area

- After loading and reading such a disc, the player will automatically select the multi-channel part as the default. This is indicated by the SACD and MCH indicator.
- Start the disc by pressing the PLAY button.

- **Note:**
  If you want to play back the stereo part of the disc, press the AUDIO MODE button (repeatedly) until you get the indication **'SACD'**. If you now start the play back by pressing the PLAY button, you will hear the stereo part of the disc through the multichannel analogue output of the **SADV 1250 R HD**.

Play back of the CD layer of hybid SACD discs

The **SADV 1250 R HD** can play back both of the SACD and the CD layer of these discs. Switching between CD and SACD layer is accomplished by pressing the AUDIO MODE button while the disc is stopped. After switching to the CD layer, the “CD” indicator in the display will be lit.

Note:
During play back it is not possible to switch between CD and SACD layers. First stop a playing disc before switching layers.

Compatibility with recordable media

The **SADV 1250 R HD** can play back recordable and rewritable discs (for details refer to the technical data section of this manual).

Due to the vast number of different disc types, disc manufacturers, disc recorders and software programs a guarantee for compatibility with every software / hardware / disc combination can not be given.

If compatibility problems occur we recommend to use a different type of disc, a different recording device and/or a different software.

Disc menu and Setup menu
Menu Functions of the SADV 1250 R HD

General

During operation of the **SADV 1250 R HD** two different menus are available: the disc menu and the setup menu.

- The **Disc-Menu** is stored on the DVD itself. This menu is intended for selecting and operating special features of the disc like sound-track, subtitles, additional information on the film, film trailers, games etc.

  Contents and navigation/operation of the disc menu differ from disc to disc. Normally this menu is operated by the buttons described below. Please follow the instructions given on the screen.

  The disk-menu is opened by a brief press of the MENU button on the front panel or the SRC button of the remote control.

- The **Setup menu** is intended for the control of special functions and settings of the player. This menu is described in detail in the following chapters. The setup menu is opened by a long press (approx. 3 sec.) on the MENU button on the front panel or the SRC button of the remote control.

  The Setup menu will be automatically closed after a short while, if no further navigation or button presses are executed.

Menu control

In selection menus the following buttons are used for navigation and selection:

Remote Control	Front Panel	
SRC	MENU	**brief press:** Open Disc menu (see **'DVD / VCD Disc Menu /** ***Menu function***'*)* **long press:** Enter setup menu (see **'Setup menu'***)*
▽	⏮	downwards
◁	⏮⏮	left
▷	⏭⏭	right
OK	OK	**Confirmation button** *[ENTER]*

DVD / VCD Disc Menu
(menu operation and navigation)

Menu function

A DVD may contain a Disc Menu with selection facilities for individual **titles** and / or **chapters**. Depending on the DVD, the disc may also contain games, bonus material or alternatives for camera angle, synchronous languages or sub-titles, which can be set or called up via the Disc Menu.

Note:

The contents, appearance and behaviour of the Disc Menu are dictated and controlled by the disc itself. If you encounter problems in connection with the Disc Menu, please contact the manufacturer or retailer of the disc.

Calling up and operating the DISC Menu

The **Disc Menu** can be called up at any time during playback, in order to make adjustments.

- To enter the disc menu, briefly press the (MENU) button on the front panel or the (SRC) button of the remote control.

  If the DVD contains a Select menu, this now appears on the TV screen. The integral screen displays the message '*INFO*'.

- Select a menu item by navigating with the cursor keys (⏮, ⏭, ◀◀, ▶▶) or by entering a number (if numbers are given in the menu).

- To select or execute a menu item, press (OK) button [***ENTER***].

- To close the disc menu press the (MENU) button on the front panel or the (SRC) button of the remote control.

Opening and closing the menu using the F1 remote control handset
Press the blue (SRC ◎) - rocker to call up the Disc Menu.
Press the blue (SRC ◎) - rocker again to leave the menu.

Manual CURSOR control

The ***CURSOR*** buttons on the remote control handset

are used with the **SADV 1250 R HD** both to control the functions of the mechanism (skip back, skip forward, search) and also to navigate within menus. The **SADV 1250 R HD** detects automatically whether you are operating the disc mechanism or finding your way through a menu.

A few DVDs, mostly older and quite rare examples, give the machine no clues whether a menu is currently open, i. e. they do not pass relevant information to the player. With these discs the screen display '*INFO*' does not appear when a menu is open, and it is not possible to navigate within the menu. In such cases the **SADV 1250 R HD** can be switched to '***Cursor Navigation***' mode.

Switching to CURSOR control

Hold the (OK) button pressed in until the message '*CURSOR*' appears on the integral screen. Now even problematic menus can be operated.

Switching off CURSOR control

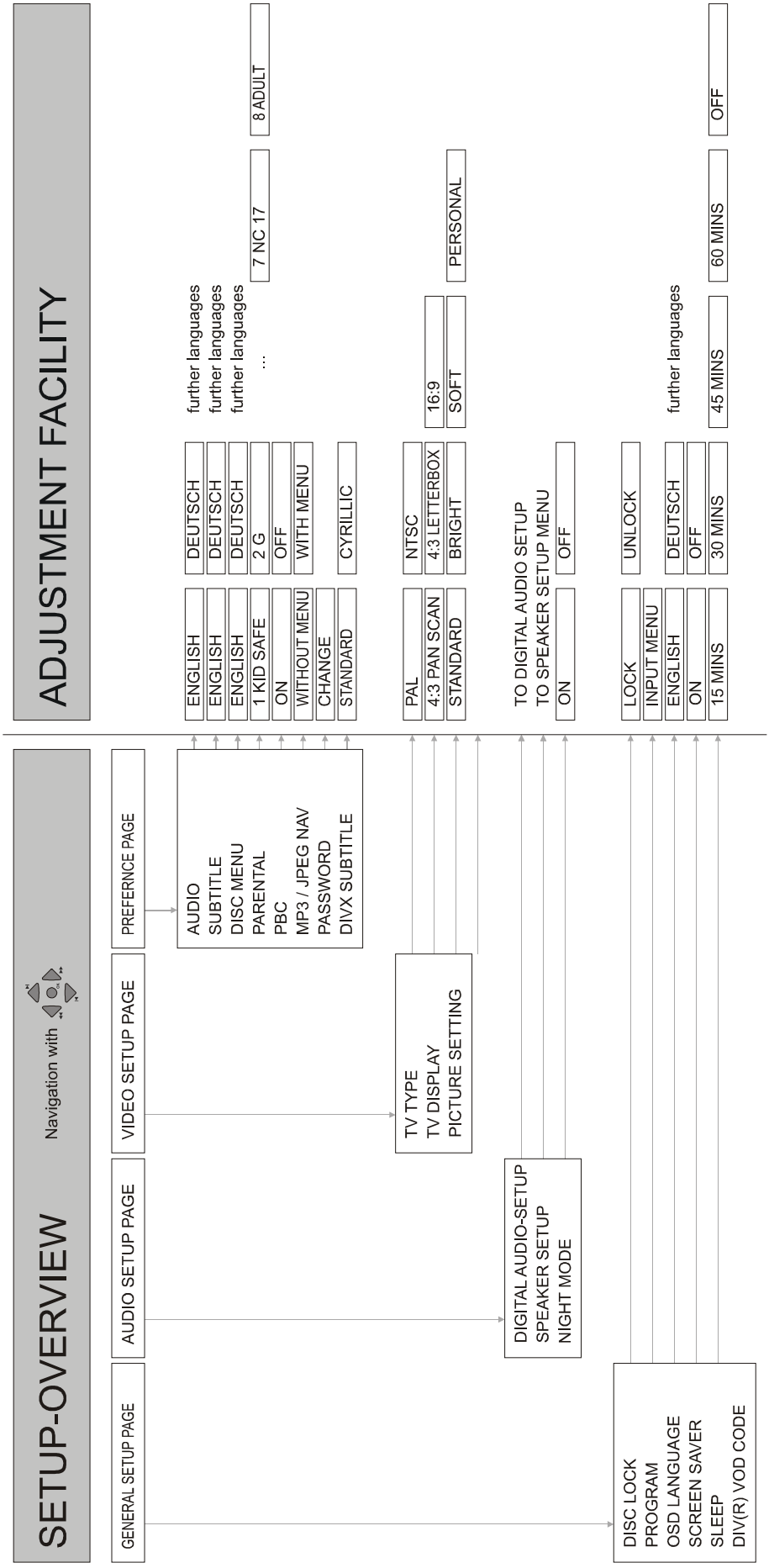
To revert to normal operation hold the (OK) button pressed in again until the '*CURSOR*' message on the screen disappears.

Note:

In Cursor mode the buttons of the control button block carry out menu control functions exclusively.

For normal control of the disc mechanism you must therefore first leave Cursor mode.

Setup menu
Menu- overview



General Setup Menu

	Adjustment facility				
DISC LOCK	LOCK	UNLOCK			
PROGRAM	INPUT MENU				
OSD LANGUAGE	ENGLISH	DEUTSCH	further languages		
SCREEN SAVER	ON	OFF			
SLEEP	15 MINS	30 MINS	45 MINS	60 MINS	OFF

Disc lock

Not all discs are categorised or coded by the manufacturer regarding their suitability for young persons. You can prevent playback of specific DVDs by blocking them, or alternatively release the DVD for viewing, disregarding its category.

If you block a disc, you will be asked to enter your password (PIN) before playback. Without the password the machine will not play the disc.

To set a password see the Chapter ‘Preferred settings / Password’.

Program

You can play the contents of the disc in your own desired sequence by programming the order of the tracks to be played.

In this menu point you can create your own playback program for the disc in the drawer.

You can program the desired tracks in the desired sequence under the point ‘**INPUT**’; up to twenty tracks can be stored.

OSD language

In this menu point you can set the language to be used for the disc player’s Setup Menu.

Screen saver

The screen saver helps to prevent damage to your television screen. If the screen saver is switched on, the TV screen will be switched off after a while if playback has been stopped or paused.

Sleep

The Sleep function automatically switches the **SADV 1250 R HD** off after a preset time. In the ‘OFF’ setting the Sleep function is disabled.

Audio Setup menu

	Adjustment facility	
DIGITAL AUDIO-SETUP →	TO DIGITAL AUDIO SETUP	
SPEAKER SETUP →	TO SPEAKER SETUP MENU	
NIGHT MODE →	ON	OFF

Night mode

When night mode is switched on, sound is reproduced with a reduced dynamic range.

The result is that loud passages are reproduced more quietly. The ‘night mode’ is particularly useful when you wish to avoid disturbing neighbours or other people in your house with loud sound special effects in films.

Digital Audio Setup

Adjustment facility

DIGITAL AUDIO-SETUP

DIGITAL OUTPUT	PCM ONLY	ALL
LPCM OUTPUT	48 KHz	96 KHz

Digital output

The digital output of the **SADV 1250 R HD** can be used for connecting external surround decoders or digital recording equipment. Set the data format of the digital output to suit the requirements of the devices to be connected to the unit.

PCM only

Select this setting if the connected device is not capable of decoding multi-channel audio. It should be used, for example, with digital stereo audio recorders (DAT, CD recorder, MD recorder).

All

Select this setting of you have connected an external surround decoder to the 'Digital Audio Out' output.

L**PCM output**

At this point you can activate the 96 kHz setting for the digital output.

If you activate the 96 kHz output, audio signals from DVDs featuring a 96 kHz sound track are reproduced in their native 96 kHz format. Please note that the decoder or recorder connected to the **SADV 1250 R HD** must also be designed for 96 kHz operation, and must also be set to that value (see the operating instructions supplied with the decoder / recorder).

Caution:

If your decoder does not support the 96 kHz data rate, it is essential to set the 48 kHz setting in this menu point, as your decoder is not capable of reproducing the audio data correctly. If you use the system with the wrong settings, under unfavourable circumstances your loudspeakers could be damaged.

Sound mode

Adjustment facility

SPEAKER SETUP

FRONT SPEAKER	LARGE	SMALL	
CENTER SPEAKER	OFF	LARGE	SMALL
SURROUND SP	OFF	LARGE	SMALL
SUBWOOFER	ON	OFF	
SPEAKER VOLUME	to SPEAKER VOLUME		
SPEAKERS DELAY	to SPEAKERS DELAY		

The **SADV 1250 R HD** features a room sound processor which can create an artificial room sound atmosphere when playing DVDs (film mode) and CDs (music mode). For film and music reproduction various sound programs are available which you can select at this menu point.

Video Setup

Adjustment facility				
TV TYPE	PAL	NTSC		
TV DISPLAY	4:3 PAN SCAN	4:3 LETTERBOX	16:9	
PICTURE SETTING	STANDARD	BRIGHT	SOFT	PERSONAL

TV type

This menu contains the options for selecting the TV norm, which must be set to match your monitor or television screen.

PAL

Select this setting if the picture output is to be reproduced on a *PAL* TV set. At this setting, DVDs in *NTSC* format will be converted to the PAL format by the **SADV 1250 R HD**.

NTSC

Select this setting if the picture output is to be reproduced on an NTSC television. At this setting, DVDs in PAL format will be converted to the NTSC format by the **SADV 1250 R HD**.

TV display

In this menu you set the picture output of the **SADV 1250 R HD** to match the geometry of your TV set.

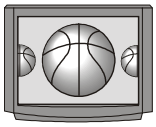
Note:

The format which you select must be available on the disc. If this is not the case, the selected picture format settings will have no effect on the picture during playback.

4:3 Pan Scan

This produces a picture of full screen height; if a wide-screen film is played, the centre of the picture fills the screen of a 4:3 TV set. Less important areas of the picture are cropped.

Pan Scan is only supported by a few DVDs.



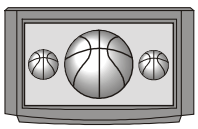
4:3 Letterbox

This option produces a ”wide-screen” reproduction with black bars at the top and bottom of the picture. In this setting the entire picture content of the DVD is reproduced.

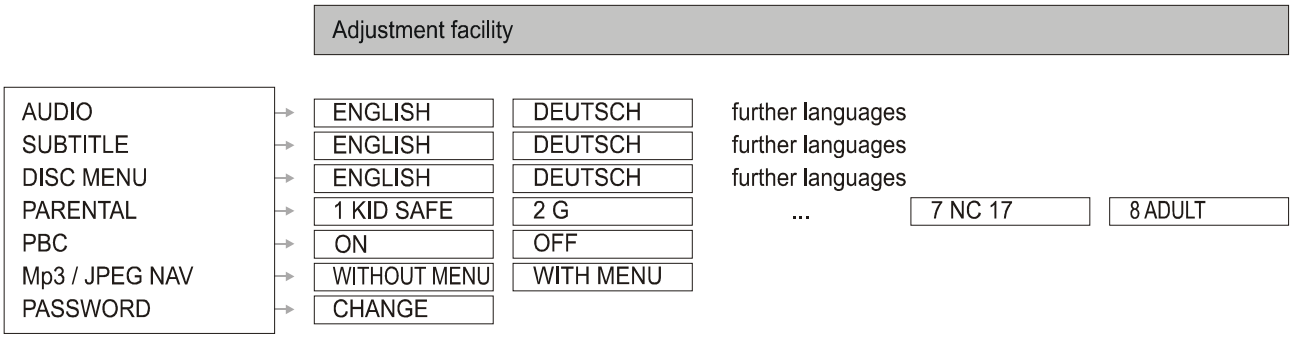
We recommend this setting for use with 4:3 televisions.

16:9 (wide-screen)

For reproduction on a wide-screen television (16 : 9 format).



Basic settings (Preference page)



Audio
Subtitle
Disc menu

You can select your preferred menu and synchronous language in the sub-menus Audio, Sub-titles and Disc Menu. If the selected language is not available on a particular disc, the basic disc language will be used instead.

PARENTAL

Some DVDs may have a child-protection feature which applies to the whole disc or just specific scenes on the disc. This function enables you to set your own restriction level. The categorisation takes the form of levels 1 to 8, and is country-specific. In this way you can prevent the playback of particular discs which you consider unsuitable for your children, or - where alternative scenes are available on the disc - force the DVD to play these alternatives.
Home-recorded VCD, SVCD and CD discs do not feature this categorisation, and the same applies to most illegal DVD discs.

Some DVDs do not feature categorisation, even though the film category is printed on the disc sleeve. In this case the child protection feature will not work.

PBC

The playback control function (VCD 2.0 only) can be set to '**On**' or '**Off**'. If you select '**On**', the disc menu (if available on the disc) is displayed on the television.

MP3 / JPEG Nav

If you select the 'with menu' option, an on-screen menu is provided for you to find your way around an MP3 / JPEG disc.

Password

At this menu point you can change the six-digit password. The default password is as follows:

000 000

Use the numerical keypad to enter the 6-digit code, then enter your new code, and confirm it by entering it a second time.

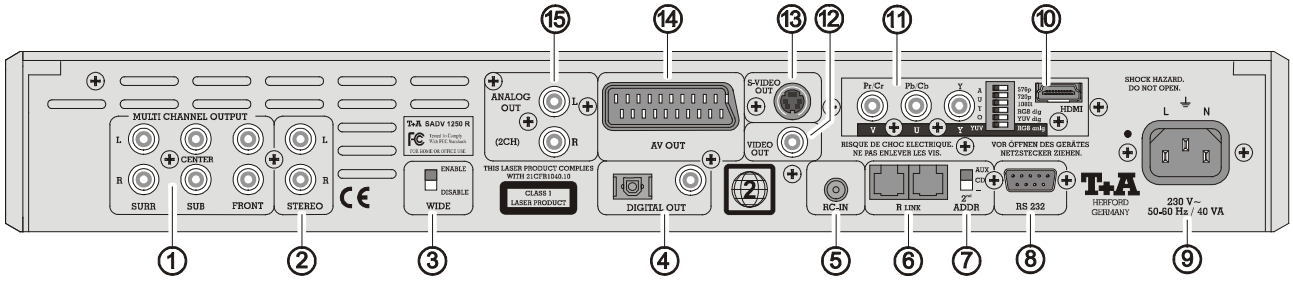
The new password is now valid. Please remember the new password carefully, as you will need to enter it for all access functions from now on.

If you have forgotten your old password, enter '000 000'.

Installation
Using the unit for the first time
Safety notes

This chapter describes all the matters of fundamental importance for setting up and operating your DVD player. This information is not relevant to your daily handling of the system, but should still be read and noted carefully before using the machine for the first time.

Back panel connections



① / ② MULTI CHANNEL ANALOG OUT

The analogue output of this player deliveres analogue multi channel (①) and stereo- (②) output signals. The multi channel output can be connected to surround decoders/receivers with a 5.1 or 7,1 multi channel input.
The stereo output can be connected to any stereo pre-amp, integreted amp or receiver.

Note:

In a **T+A** system the MCH output is connected to the 5.1 or 7.1 MCH input of the surround decoder / surround receiver. (see **wiring diagrams 1** and **2**).

③ WIDE

Switch for the analogue high frequency output filter of the **SADV 1250 R HD**. With this switch the bandwidth selction (switch **'WIDE'** on the front panel) can be disabled for security reasons.
Set this switch to the position **'**disabled**'** if your amplifier or loudspeaker system is not capable of processing audio signals above 120 kHz.

Note:
For all **T+A** amplifiers the position **'WIDE ENABLE'** can be safely used.

⚠ Attention!

If you are not sure if your system is suited for wide bandwidth operation, please consult the manual of the amplifier and speaker system.
If in doubt, please use the position **'WIDE DISABLE'**.

④ DIGITAL OUT SURROUND

Optical digital output for connecting a digital surround decoder.

Co-axial digital output for connecting a digital surround decoder. Please be sure to use high-quality 75 Ω cable with Cinch connectors.

⑤ RC-IN

Input socket for external IR (infra-red) remote control receiver E2000 (* optional accessory) or external remote device such as a programmable key pad.

⑥ RLINK

Control input / output sockets for the **T+A** **R**LINK system:

Both sockets are wired identically - either of the two sockets can serve as input, while the other can then be used as output to the next **R**LINK device.

⑦ RLINK 2nd ADDR.

Toggle switch for the selection of the remote control address of this device within a **T+A**-**R**LINK system.

Note:

If no CD player is operated within the **T+A** **'R'** system, the **'RLINK 2nd ADDR.'** switch of the **SADV 1250 R HD** should be configured to the additonal CD address (position switch position = **'**CD**'**)

In this case the stereo output ② should be connected to the CD input of the pre- or integrated amplifier. The CD button will then select the **SADV 1250 R HD** for normal stereo CD play back, the DVD button will select the **SADV 1250 R HD** for DVD play back. The unit will respond to remote control signals for both of the CD and DVD inputs.

If a stereo CD player is present in the system, please set the switch to position **'-'**. The **SADV 1250 R HD** now will only respond to remote control signals if the input DVD is selected as source.

⑧ RS 232 connector

Control input for controlling the **SADV 1250 R HD** through a serial RS232 interface.

Note:

RS 232 protocol and command sets are available for download under www.taelektroakustik.de.

⑨ Mains input

The mains power lead is connected to this socket. For details of a correct mains connection please read the notes in the chapter **'Installation,** ***Using the unit for the first time, Safety notes'.***

⑩ HDMi OUT

For Plasma / LCD panel or beamer (projector).

⑪ YUV video output

This video output deliveres high quality YUV (P P_b P_r) output signals. Use this output to connect a video projector/monitor with YUV input.

Important Note:

The YUV output can be set to „progressive scan“ operation with the P-Scan switch on the front panel. In progressive mode full frames instead of half frames are output by the YUV output. This gives a far better picture quality. The monitor/projector used must be compatible with progressive video ! (please refer to the manual of the video monitor/projector)

⑫ VIDEO OUT

Video output for TV sets, video recorders or other equipment with standard composite (CVBS) video inputs.

⑬ S-VIDEO OUT

Output socket for TV sets, video recorders or other equipment with S-Video (S-VHS) video inputs.

⑭ AV OUT (SCART)

Socket for for TV sets, video recorders or other equipment with SCART audio/ video inputs.

This socket delivers additional to standard composite (CVBS) video signals the high quality RGB component video signals. To achieve the best possible video performance, please select the RGB mode at your TV/monitor if this device is capable of processing these signals.

⑮ ANALOG OUT

Stereo audio output for TV sets, video recorders or surround decoders.

Setting Up the SADV 1250 R HD

Carefully unpack the **SADV 1250 R HD** and store the original packing materials carefully. The carton and packing are specially designed for this unit and will be needed again if you wish to move the equipment at any time. Please be sure to read the safety notes in these instructions.

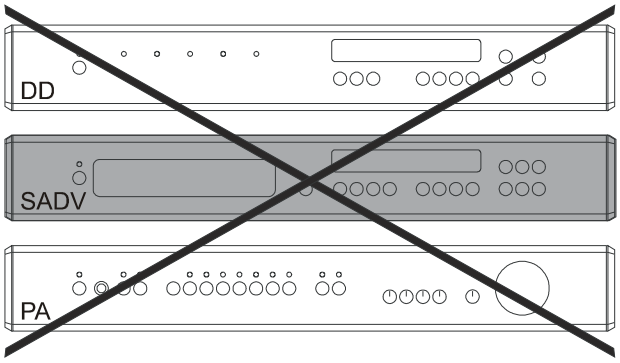
If the unit gets very cold (e. g. when being transported), condensation may form inside it. Please do not switch it on until it has had plenty of time to warm up to room temperature, so that any condensation evaporates completely.

Before placing the unit on a sensitive surface, please check the compatibility of the lacquer and the unit's feet at a non-visible point. Fit a layer of protective material if necessary.

The unit should be set up on a rigid, level base. If you are placing the unit on resonance absorbers or de-coupling components, make sure that they do not com-promise its stability.

The unit should be set up in a dry, well-ventilated site, out of direct sunlight and away from radiators and other heaters. It must not be located close to heat-producing objects or devices, or anything that is heat-sensitive or highly inflammable.

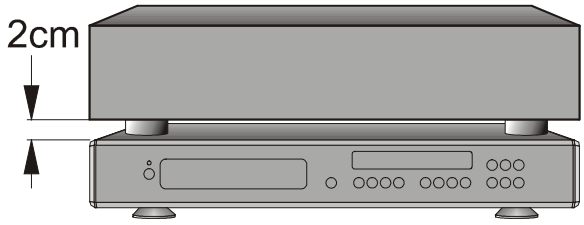
The SADV player must never be set up between heat-generating devices such as integrated amplifiers (PA), power amplifiers or surround decoders (DD).



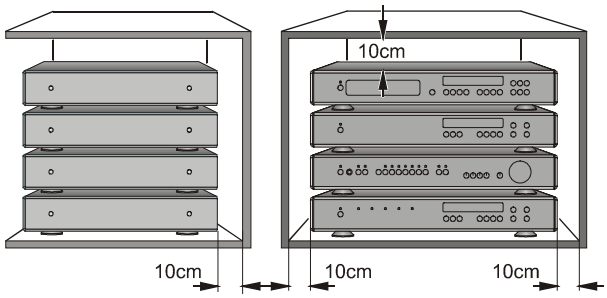
The SADV should never be placed on top of an amplifier or any other device that can become hot during operation.

Either place the device at the side of other equipment or on top of cool devices like tuners, pre-amps etc.

'R' series devices dissipate some of their heat via the case cover. For this reason units of any other make which are placed on top of a **T+A** **'R'** series device must stand on feet at least 2 cm high.



When installing the unit on a shelf or in a cupboard it is essential to provide an adequate flow of cooling air, to ensure that the heat produced by the unit is dissipated effectively. For this reason there must be at least 10 cm free space **to both sides** and **behind** the units. There should also be 10 cm **above** the case to the next cupboard or shelf.



Any heat build-up will shorten the life of the DVD player, and could be a source of danger!

Mechanical de-coupling

The area on which you set up your high-quality Hi-Fi equipment, and the actual surface on which it stands, have an influence on the achievable sound quality which should not be under-estimated. The surface should be as heavy, stable, hard and flat as possible. The unit is supplied with the newly developed **T+A** conical absorber feet. These feet feature internal damping characteristics which de-couple the player extremely effectively from the base surface.

Note:
The **T+A** absorber cones can be screwed in or out to compensate exactly for any unevenness of the base surface.

The unit must be adjusted carefully so that it is exactly horizontal in all directions. All the feet must make firm contact with the base surface; the unit must not 'wobble'!

Wiring

Notes on wiring

- You will find wiring diagrams on the following pages.
- Make all connections as shown in the wiring diagrams.
- Push all connectors firmly into their sockets. Loose connections can cause humming and other unwanted noises.
- Please also make all necessary adjustments like input assignments etc. on your surround amplifier or surround receiver.
- Deploy the mains and loudspeaker cables and the **R**LINK lead as far as possible from signal inter-connects and aerial leads.
- Connect the machine to a properly earthed mains socket using the mains lead supplied.
- To obtain maximum interference rejection the mains plug should be fitted in the mains socket with phase connected to the mains input socket contact which is marked with a dot (●). The phase of the mains socket can be found using a suitable instrument; ask your specialist dealer for details.

We recommend the use of the ready-made **T+A** **'POWER LINE'** mains lead in conjunction with the **'POWER BAR'** mains distribution panel; this unit features a phase indicator as standard.

Once the system is completely wired, set the volume control to a very low value and switch the player on.

The integral screen of the **SADV 1250 R HD** should now light up, and the player should respond to control commands.

Place an audio CD in the disc drawer, and press the (PLAY) button to start playback.

Switch the amplifier to the source device **'CD'**, switch on the loudspeaker output, and you should hear the CD.

If you encounter problems when using the player for the first time, please note that they often have simple causes that are equally simple to correct. Read the chapter entitled **'*Trouble-shooting*'** in these instructions.

Loudspeaker and signal cables

The cables employed in any Hi-Fi system have a crucial influence on the sound of the system as a whole. **T+A** therefore recommends the use of high-quality cables and connectors.

For this reason **T+A** has developed its own range of cables which includes the ideal type for every application. These cables are designed to match the special characteristics of our loudspeakers and har-monise perfectly with them.

For difficult and cramped set-up conditions you can also use special-length cables and right-angle connectors from the **T+A** range of accessories. With these items you can solve virtually any problem concerning con-nections and set-up.

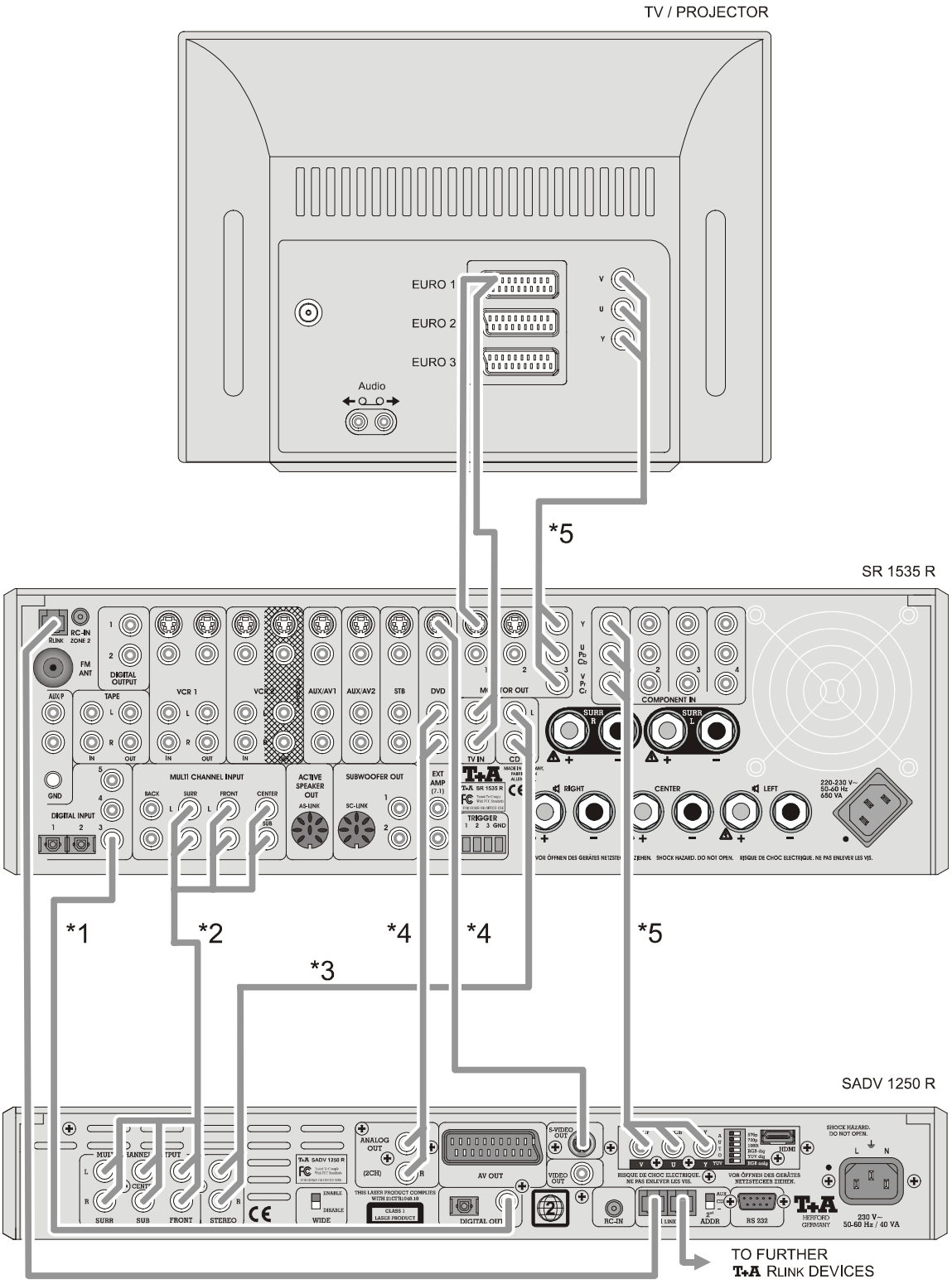
Mains leads and mains filters

The mains power supply carries the essential energy to operate your equipment, but also often carries inter-ference from distant equipment, radios and computer systems.

To shield your equipment from electro-magnetic inter-ference, our accessory range includes the specially shielded **'POWER FOUR'** mains lead, the ready-made **'POWER LINE'** mains lead with integral wrap-around filters, and the **'POWER BAR'** filtered mains distribution panel. Using these accessories can in many cases improve the reproduction quality of our equipment.

For any questions concerning cables and wiring please contact your local **T+A** specialist dealer, who is trained to provide comprehensive and unbiased assistance. We will also be delighted to send you a full information pack on this subject.

Wiring diagram **1: SADV 1250 R HD and SR 1535 R with S-Video and Component YUV Video**



*1 used for Dolby/dts playback through **SR 1535 R**
*2 for multi channel SACD playback
*3 for high-quality Stereo CD/SACD playback
*4 S-Video+2channel audio is needed for VCR recordings and Zone 2
*5 additional YUV-ComponentVideo-cable for Video monitors/projectors with component video input

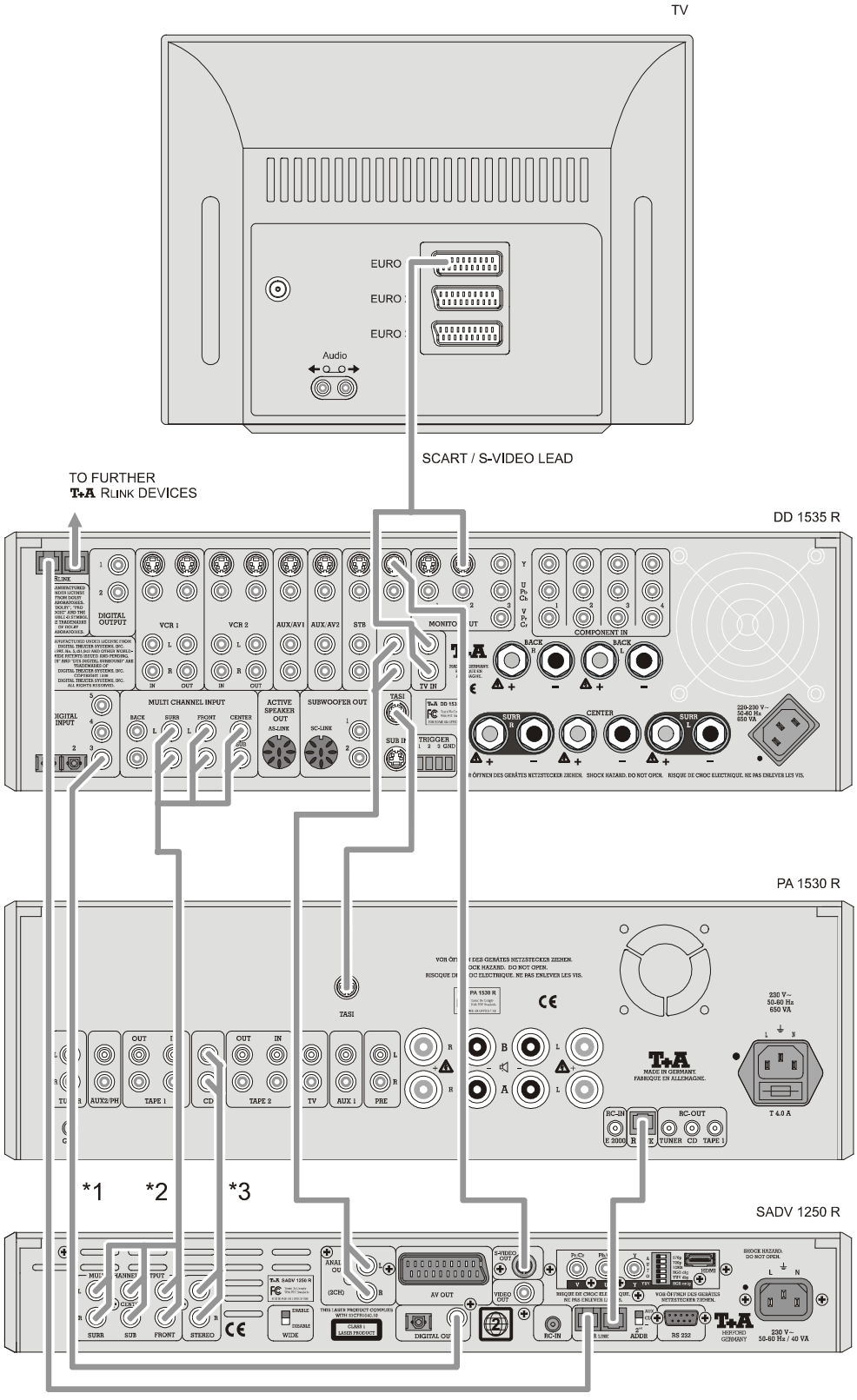
Note:

Please make the following assignments in the configuration menus of the **SR 1535 R** :

Audio Inputs:	MCH-IN	→ CD
	DIG-3 (coax)	→ DVD
YUV-Inputs:	YUV1	→ DVD
Video-Inputs:	DVDin	→ S-Video

The switch **RLINK** 2nd ADDR. on the back panel of the **SADV 1250 R HD** must be set to position **'CD'**.

Wiring diagram 2: SADV 1250 R HD in combination with DD 1535 R und PA 1530 R (S-Video-mode)



*1 for Dolby/dts playback through **DD 1535 R**
*2 for multichannel SACD playback
*3 for high quality Stereo CD/SACD playback

Note:

Please make the following assignments in the configuration menus of the **DD 1535 R**:

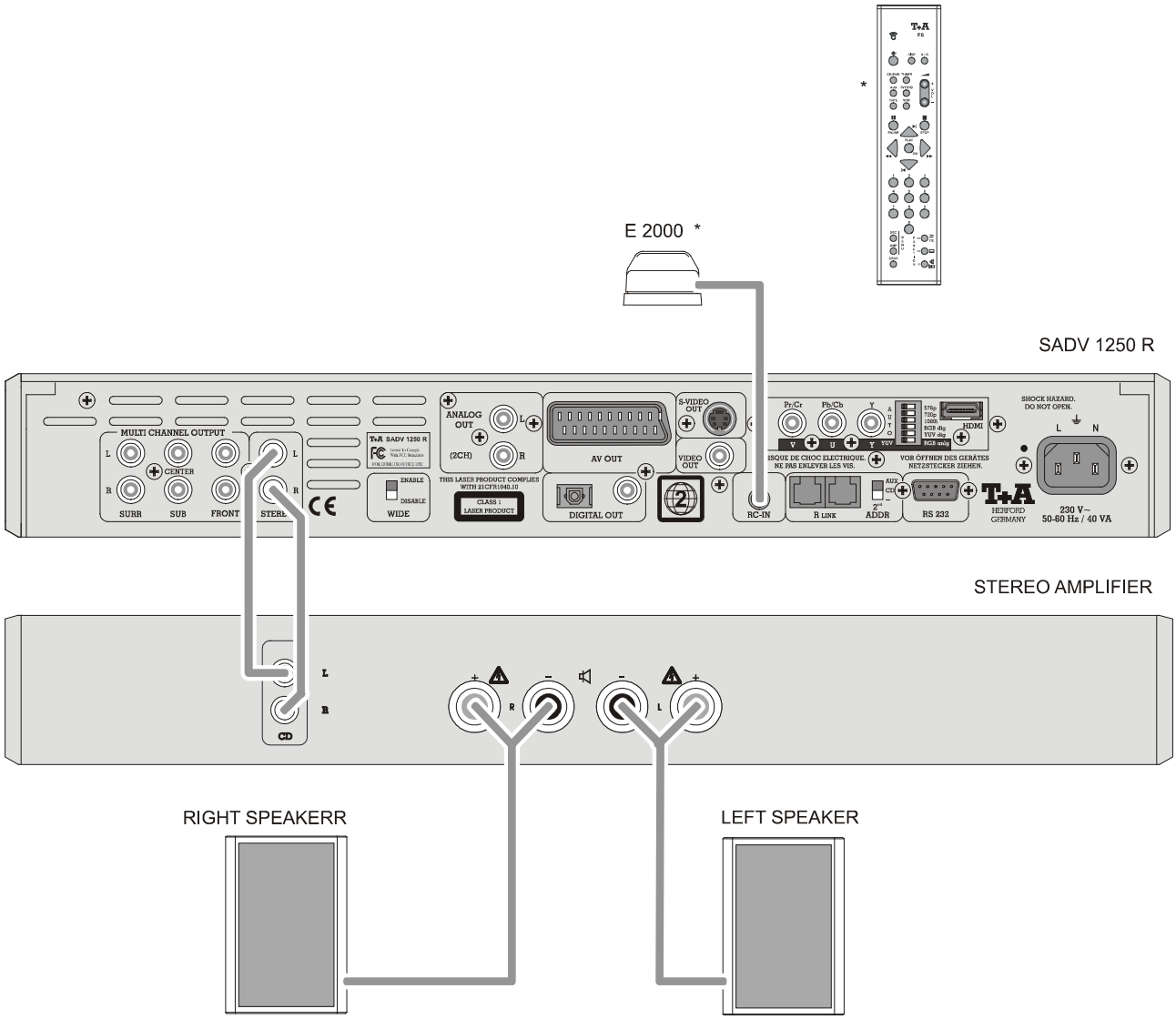
Audio Inputs:	MCH-IN	→ CD
	DIG-3 (coax)	→ DVD
Video-Inputs:	DVDin	→ S-Video

The **DD 1535 R** should be equipped with a software version > V1.10
The switch **RLINK** 2nd ADDR. on the back panel of the **SADV 1250 R HD** must be set to position **'CD'**.

If the **SADV 1250 R HD** is to be operated in a non-**T+A** system, the **E 2000** remote control receiver must be connected to the **RC-IN** socket if you wish to remote-control the player.

In this configuration the **SADV 1250 R HD** is switched ON with the **source button** (CD / DVD). The switch **RLINK** 2nd ADDR. must be set to position **'CD'**.

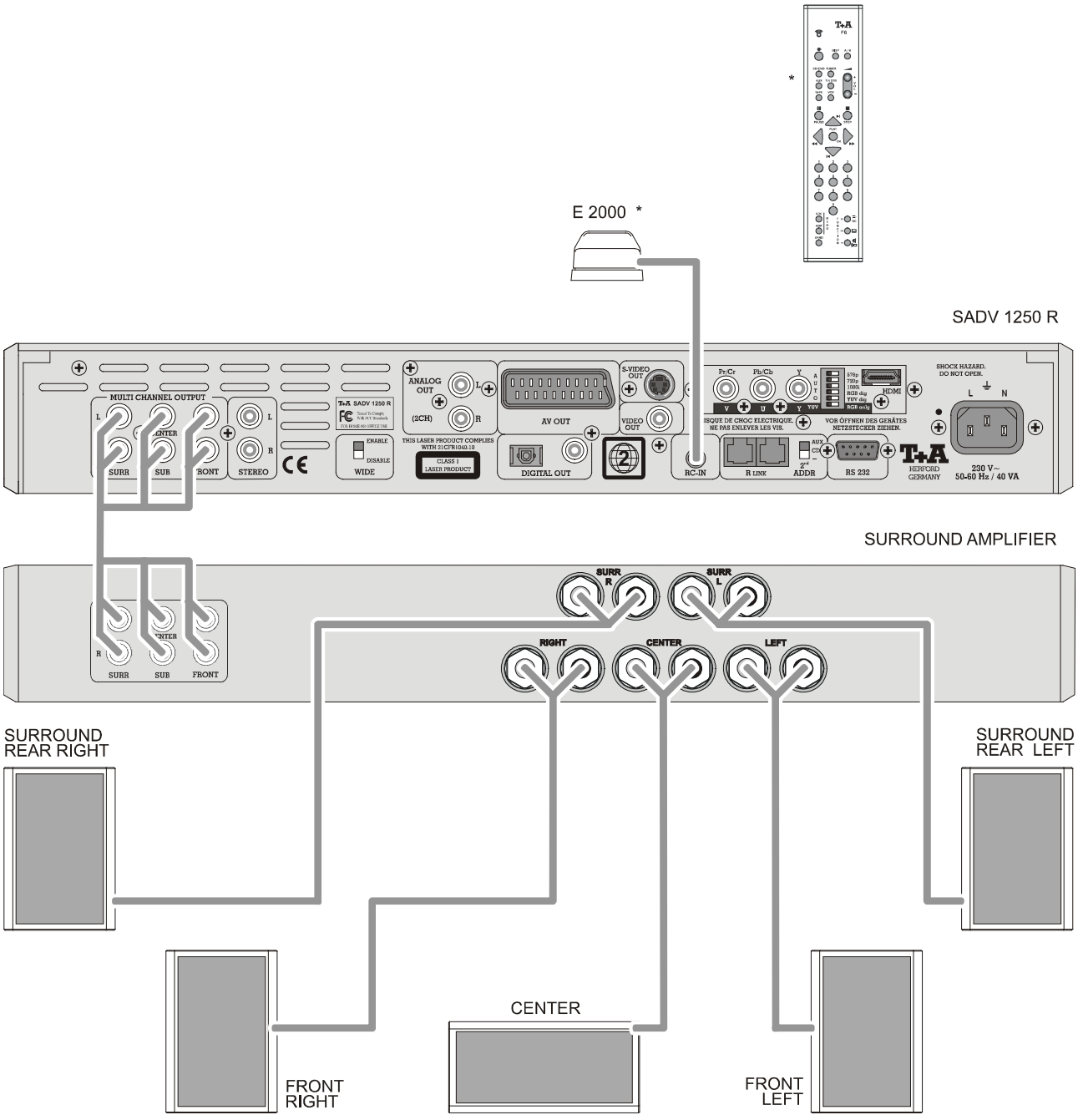
Wiring diagram 3: SADV 1250 R HD connected to a stereo amplifier



* optional accessories

When playing back multichannel SACDs or DVDs switch to STEREO operation (AUDIO MODE-button on the front panel).

Wiring diagram 4: SADV 1250 R HD connected to a surround amplifier



* optional accessories

Note:

Carry out the adjustments for setting speaker size, volume level and speaker distances in the menus of the **SADV 1250 R HD**.

Safety notes

All components used in this device meet the current German and European safety norms and standards. For your own safety please be sure to read right through these operating instructions. It is especially important to observe the safety notes and the instructions regarding setting up and operating the equipment.

We are able to guarantee that our products are of the highest quality, and meet all our specifications in full, because we carry out strict quality checking of all materials, employ painstaking production methods controlled by highly qualified staff, and carry out a fully automatic, computer-controlled final quality control procedure.

Please read right through these operating instructions carefully before you attempt to use your new equipment. Note in particular the information regarding setting up and operating the unit, and the safety notes.

The machine must be set up in such a way that there is no chance of anyone - especially children - touching the back panel connections. Be sure to observe the notes and instructions in the chapter entitled **'Installation, Using the unit for the first time, Safety notes'**.

The power supply required for this machine is printed on the mains supply socket. The unit must never be connected to a power supply which does not meet this specification. If the machine is not to be used for a long period, disconnect it from the mains supply at the wall socket.

Mains leads must be deployed in such a way that there is no danger of damage from furniture, or people treading on them etc. Take particular care with mains plugs, distribution panels and the connections on the back panel of the player.

Liquid or foreign bodies must never be allowed inside the case through the ventilation slots. Mains voltage is present inside the unit, and there is a risk of lethal electric shock.

Protect the unit from drips and splashes of water; never place flower vases or other vessels containing fluids on top of the case.

Do not exert undue force on the mains connectors.

Caution!

The mains button is not a mains isolation switch. Even when the green LED is not glowing, parts of the machine remain connected to the mains power supply. If the machine is not to be used for a long period, we recommend that you isolate it from the mains by pulling out the plug at the wall socket.

This device should never be used without proper supervision. The machine should be set up well out of the reach of small children. This applies to all electrical equipment.

CAUTION ! LETHAL DANGER !

The unit should only ever be opened by a qualified specialist technician.

Repairs and fuse replacements should be entrusted to an authorised **T+A** specialist workshop.

With the exception of the connections and procedures described in these instructions, no work of any kind may be carried out on the machine by unqualified persons.

If the unit is damaged, or if you suspect that it is not functioning correctly, immediately disconnect the mains plug at the wall socket, and ask an authorised **T+A** specialist workshop to check it.

The unit may be damaged by excess voltage in the power supply, the cable network or aerial systems, as may occur due to static discharge or during thunderstorms (lightning strikes).

Special power supply units and excess voltage protectors such as the **T+A 'Power Bar'** mains dis-tribution panel offer some degree of protection from damage to equipment due to the hazards described above.

However, if you require absolute security from damage due to excess voltage, the only solution is to disconnect the unit from the mains power supply and any aerial systems.

If you believe there is a danger of excess voltage (e. g. when an electrical storm is building up) disconnect the machine from the mains and the aerial socket.

All mains power supply and aerial systems to which the unit is connected must meet the currently valid regulations, and must be installed by an approved electrical installer.

Note:

Many insurance companies offer lightning damage cover for electrical equipment as part of their general household insurance.

Approved usage

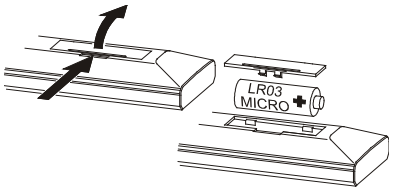
This device is designed exclusively for reproducing sound and/or pictures in the domestic environment. It must be operated in a dry indoor room which meets all the recommendations stated in these instructions.

Where the equipment is to be used for other purposes, especially in the medical field or for any purpose where safety is an issue, it is essential to establish the unit's suitability for this application with the manufacturer, and to obtain prior written approval for such usage.

T+A equipment which includes a radio or television receiving section must be operated within the regulations laid down by the Post Office and the Tele-communications authorities in the country in which it is used. This unit may only be employed to receive or reproduce those transmissions which are intended for public consumption. The reception or reproduction of other transmissions (e. g. police radio or mobile radio broadcasts) is prohibited.

The only permissible method of disposing of this product is to take it to your local collection centre for electrical waste.

Fitting new batteries:



To open the battery compartment disconnect the latch by pressing in, then lift the cover out. Remove the old cells and fit new dry cells of the **LR 03 (MICRO)** type in the battery compartment, taking care to fit them with correct polarity. Please remember that **all the cells must be replaced** at the same time.

Note:

If you have already re-set the remote control system to Address 2, you will need to repeat the change procedure after fitting new batteries.

Note regarding disposal of exhausted batteries:

Exhausted batteries must not be thrown in the ordinary domestic waste! In accordance with the battery decree **(BattVO)** they should be returned to the battery supplier or to your local toxic waste collection point, so that they can be recycled or disposed of safely. Local councils are obliged to make collection containers available, or to make other arrangements for collecting exhausted batteries.

Care of the DVD player:

Always disconnect the unit from the mains supply before cleaning it.

The surfaces of the case should be wiped clean with a soft, dry cloth only.

Never use abrasive or solvent-based cleaners!

Before switching the unit on again check carefully that no short-circuits exist at the terminals, and that you have not disturbed any connections.

Device approval and conformity with EC directives

In its original condition the unit meets all currently valid German and European regulations. It is approved for use as stipulated within the EC.

By attaching the CE symbol to the machine, **T+A** declares its conformity with the EC directives **89/336/EEC**, amended by **91/263/EEC** and **93/68/EEC**, and **73/23/EEC**, amended by **93/68/EEC**, and the national laws based on those directives.

The original, unaltered factory serial number must be present on the outside of the unit, and must be clearly legible. The serial number is a constituent part of our conformity declaration and therefore of the official approval for operation of the device.

The serial numbers on the device and in the original **T+A** documentation supplied with it (in particular the inspection and guarantee certificates), must not be removed or modified, and must match exactly.

Infringing any of these conditions invalidates **T+A** conformity and approval, and the unit may not then be operated within the EC. Improper use of the equipment renders the user liable to penalty under current EC and national laws.

Any modifications or repairs to the unit, or any other intervention by a workshop or other third party not authorised by **T+A**, invalidates the approval and operational permit for the equipment.

Only genuine **T+A** accessories may be connected to the DVD player, or such auxiliary equipment which is itself approved, and fulfils all currently valid legal requirements.

When used in conjunction with auxiliary devices or as part of a system, this device may only be used for the purposes stated in the section entitled '***Approved usage***'.

FCC Information to the user

(for use in the United States of America only)

Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

Class B digital device – instructions:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different form that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Explanation of terms, useful information

DVDs can be recognised by the logo shown here.

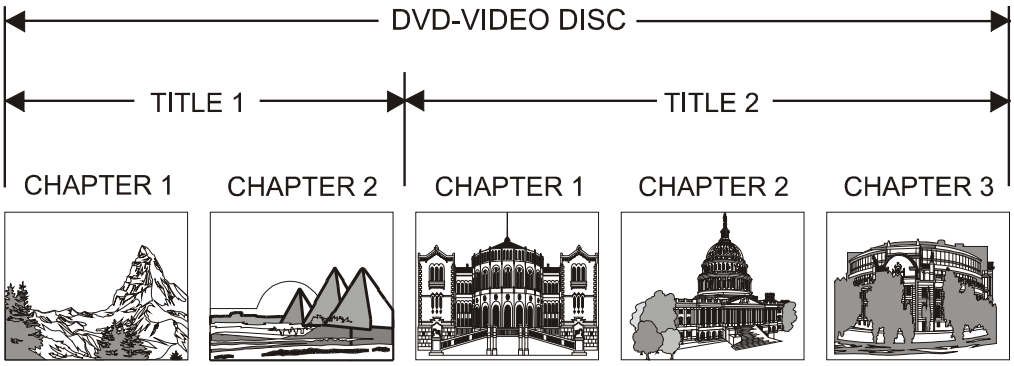
DVDs have a very high storage capacity, and offer top-quality picture and sound reproduction.

Video CDs (VCD) can be recognised by the logo shown here. They also provide digital picture and sound information, but their lower storage capacity means that they do not quite attain the quality of DVDs.

Depending on the type of material stored on the DVD or VCD (cinema film, video clips, film trailers, information, bonus material etc.) the disc may contain one or several titles. Each title may be sub-divided into several **Chapters**. These chapters allow direct access to individual film scenes.

For historical reasons titles on a VCD are also known as **tracks,** and chapters as an **index**.

This DVD player provides simple, convenient access to any title or chapter by means of the on-screen control bar.



Important notes

The actual behaviour of any particular DVD is determined by the disc manufacturer. Different DVDs may vary considerably in their menu operation and running characteristics (e. g. resume, skip back to menu, end of playback at end of title etc.).

These operating instructions can only describe the basic „normal behaviour".

If a DVD does not conform to this, please follow the DVD manufacturer's instructions, as displayed on the TV screen.

Some DVDs feature a regional code implanted by the manufacturer, designed to limit the use of these discs to particular regions of the world. The **SADV 1250 R HD** plays all DVDs intended for the region the unit is intended for and all DVDs which feature no regional restriction.

If you insert a DVD in the disc drawer, and see a note on the screen informing you of an incorrect regional code, please contact your DVD supplier and exchange the DVD for a version approved for your region.

CD

A Compact Disc (CD) is a digital data medium that requires a little care in handling:

- The surface of a CD may only be cleaned using a soft, dry cloth. Wipe in straight lines from the centre towards the edge.
- Never use petrol, paint thinners, disc cleaning fluids or similar agents.
- CDs must be handled with care to avoid major damage to the surface. Severely scratched surfaces, writing on the discs, or sticking labels on the discs may result in a CD that can no longer be read.
- CDs should not be heated or bent. Choose a storage site that fulfils these requirements.

DSP (**D**igitaler **S**ignal **P**rosessor)

The **SADV 1250 R HD** features a freely programmable signal processor. A DSP can process digital signals in any way, and that is why they allow better oversampling rates than standard modules.

DVD

DVD video exploits the latest state of MPEG 2 data compression technology, which makes it possible to store an entire cinema film on a single 12 cm CD.

The variable bit rate compression of the DVD, with a read speed of up to 9.8 Mbit per second, is capable of recording even the most complex images in their original quality. The crystal-clear digital pictures have a horizontal resolution of 720 pixels (points) over more than 500 lines. This resolution is twice as high as that of the VHS system, is better than that of LaserDisc, and is directly comparable to the resolution of digital master recordings made in recording studios.

DVDs are produced to meet either the PAL or NTSC video norm. This multi-norm playback device is suitable for reproducing both types, and plays them in the best possible quality on your multi-norm TV set. Speech barriers are a thing of the past, thanks to sound tracks in up to eight languages, and sub-titles - if present on the disc - in up to 32 languages. And whether you watch DVDs on a wide-screen or conventional television, the quality will always be the same as when you originally viewed the film at the cinema.

FTS

The **FTS title select program** gives the user the opportunity to change the sequence of playback of the tracks on an audio CD. The selection is made and played using the „OSD“ menu.

Camera angle

Many DVDs and VCDs contain scenes which were recorded using different camera view angles. When such a disc is played back, the screen displays a symbol which indicates the number of available angles (e. g. 7) and the currently selected angle (e. g. 3). The **SADV 1250 R HD** can easily be switched to any of the different camera viewing angles.

Menu function

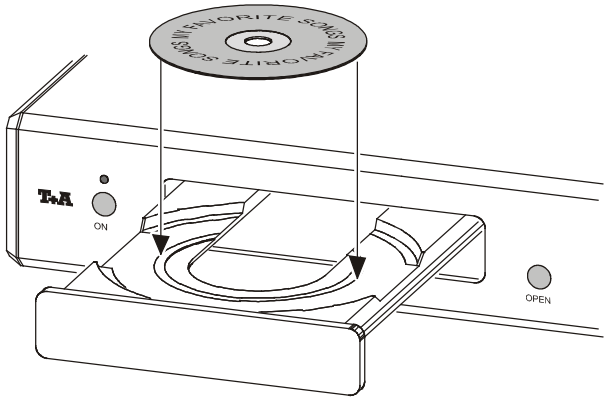
A DVD may contain a Disc Menu with selection facilities for individual **titles** and / or **chapters**. Depending on the DVD, the disc may also contain alternatives for camera angle, synchronous languages, sub-titles etc. The menu function of the DVD player enables you to select these options from the Disc Menu.

SHUFFLE

In Shuffle mode the tracks of a CD or the titles of an FTS program can be played back in a randomly selected order.

CD SINGLES

CD singles are discs of smaller diameter and correspondingly shorter playing time. The **SADV 1250 R HD** is capable of playing CD singles. To load a CD single place the disc in the circular depression in the centre of the drawer.



TOC

Internal index (TABLE OF CONTENT) of a CD.
If the TOC area of a CD is unreadable due to damage, scratches etc., the entire CD is rendered unusable.

TRACK

Track is another termed used for a title on a CD. The tracks and their duration are stated on the CD sleeve.

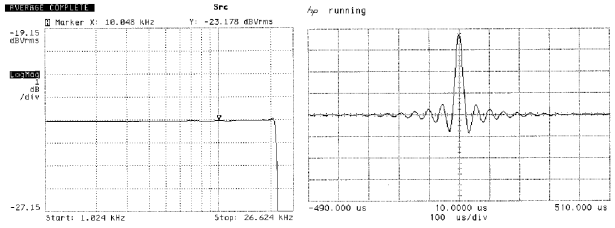
Technical description
OVERSAMPLING

The audio data on CDs and DVDs is stored at a sampling rate of 44.1 or 48 kHz - i. e. for each second of music 44.100 or 48.000 sampled values are available for each channel. In the **SADV 1250 R HD** the audio data read from the DVD or CD is „multiplied“ to a higher sampling rate (384 kHz) before it is converted back into analogue music signals. This process delivers a significantly better, more finely graduated signal to the converter, which can then be converted with correspondingly higher precision. The raised sampling rate is a calculating process for which there are many different mathematical methods. In almost all digital audio devices which exploit the advantages of increased digital sampling rate a process known as a FIR (Finite Impulse Response) filter is employed for this purpose. At **T+A** we have been carrying out research for more than ten years, aimed at improving the oversampling process, because the standard FIR method has one drawback to set against its indisputable advantages: it adds small pre- and post-echoes to the music signals. At **T+A** we have developed mathematical processes (known as Bezier polynomial interpolators) which do not share this disadvantage. For this reason they should sound better and more natural than the usual standard process. Since the calculating procedure employed by us is con-siderably more complex than the standard method, the **SADV 1250 R HD** features a high-performance digital signal processor (DSP) which carries out the over-sampling process with immense precision (56 bit) using special algorithms developed by **T+A**.

The freely programmable DSP which we use is capable of carrying out the oversampling process using any method of calculation. For this reason we have im-plemented two slightly modified Bezier processes (OVS 2) in the **SADV 1250 R HD** in addition to the pure Bezier process (OVS 3), together with two variants of the standard process (standard OVS FIR filter and OVS 1). For more information on the different processes please refer to the next section. You can switch between the different algorithms using the FILTER button, and decide for your-self which of the filters you prefer.

Standard OVS FIR filter

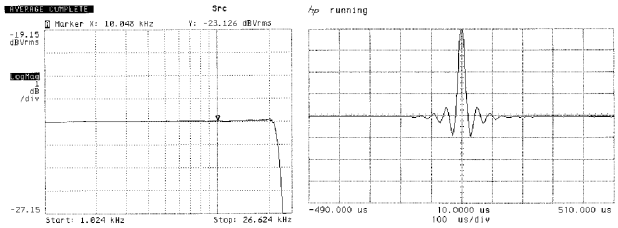
The long FIR filter is the standard oversampling process in digital technology, offering extremely linear frequency response, very high damping, linear phase charac-teristics and constant group delays. The disadvantage is the pre- and post-echoes which are added to the signal. These „time range errors“ tend to affect the music signal’s dynamics, precision and naturalness, and reduce spatial orientation.



Frequency response and transient characteristics of the long FIR filter

OVS 1 (short **FIR** filter)

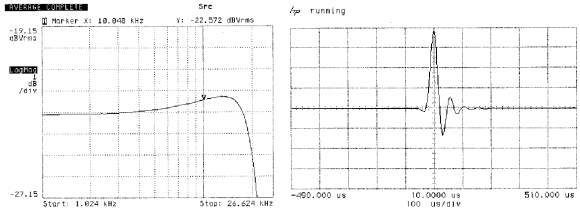
Shortening the filter (lower coefficient) reduces the time range errors, albeit combined with a slight loss of linearity in the frequency range and damping per-formance.



Frequency response and transient characteristics of the short FIR filter

OVS 2 (**Bezier** interpolator plus **IIR** filter)

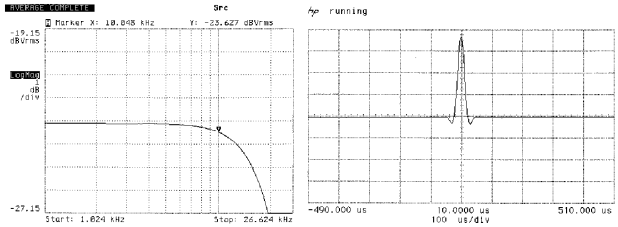
In this process an ideal Bezier interpolator is combined with what is known as an IIR filter. This eliminates the problematic pre-echo of the FIR method. This process produces highly „analogue“ system characteristics, with a sound quality and measured performance similar to those of good analogue disc players.



Frequency response and transient characteristics of the Bezier interpolator plus IIR filter

OVS 3 (pure **Bezier** interpolator)

This process delivers a perfect reconstruction of the original music signal. It exhibits no pre- or post-echoes of any kind, and does not add coloration or timing errors to the original signal. In sonic terms this method offers an impressive blend of naturalness, good dynamics and accuracy. This is our preferred process due to its advan-tages in respect of sound, and is the basic (default) setting of the **SADV 1250 R HD**.



Frequency response and transient characteristics of the Bezier interpolator

Trouble-shooting

Many problems have a simple cause and a correspondingly simple solution. The following section describes a few difficulties you may encounter, and the measures you need to take to cure them.

If you find it impossible to solve a problem with the help of these notes, please disconnect the unit from the mains and ask your authorised T+A specialist dealer for advice.

Problem:	**Machine does not switch on (green LED stays dark).**
Cause:	Mains lead not connected correctly.
Remedy:	Check connection, push in firmly.

Problem:	**Machine does not respond when buttons are pressed.**
Cause:	Static discharge or powerful interference (e. g. lightning) have affected the processor's memory.
Remedy:	**Reset machine**: disconnect the mains plug, wait about 10 seconds, then plug in again. Switch the machine on.

Problem:	**Machine responds correctly when front panel buttons are pressed, but cannot be remote-controlled via an 'R' series pre-amplifier, integrated amplifier or receiver.**
Cause 1:	Batteries in remote control handset exhausted or fitted incorrectly.
Remedy:	Fit new batteries, or re-fit batteries with correct polarity.
Cause 2:	**R**LINK or **RC** plug not connected correctly to machine's **R**LINK or **RC** socket.
Remedy:	Complete connections as shown in wiring diagram; push connector in firmly.
Cause 3:	No visual contact between remote control transmitter and remote control receiver of the **'R'** series pre-amplifier, integrated amplifier or receiver.
Remedy:	Ensure direct visual contact between remote control transmitter and receiver (glass doors may prevent contact). The maximum range of the remote control system is about 8 metres. Position the remote control receiver so that it is not subjected to direct sunlight or excessively bright lighting. Fluorescent lamps and energy-saving bulbs are powerful sources of interference.
Cause 4:	The DVD player is not selected as current listening source on the pre-amplifier, integrated amplifier or receiver, i. e. the control commands from the handset are being passed to another **'R'** system device.
Remedy:	Press the CD (or AUX - see next point) on the remote control handset, and try again.
Cause:5:	The remote control address of the DVD player (**AUX** or **CD**) does not correspond to the selected audio input sockets on the pre-amplifier, integrated amplifier or receiver.
Remedy:	The '**RLINK 2nd ADDR.**' switch on the back panel can be used to configure the DVD player either as **AUX** or **CD**. You must then select the appropriate input sockets (see **'Back panel connections'**).

Problem:	**Loud hum from the loudspeakers.**
Cause:	Cinch plugs making poor contact, or faulty Cinch lead.
Remedy:	Check all connections and connecting leads carefully.

Problem:	**No sound, or distorted sound.**
Cause:	Audio connection to amplifier or TV set not correct.
Remedy:	Complete the connections as shown in the wiring diagram; push connectors in firmly. Select a different listening source to check the amplifier.

Problem:	**No sound signal via the digital output.**
Cause 1:	Digital plug not connected correctly to the digital output socket on the machine.
Remedy:	Complete connections as per wiring diagram; push connectors in firmly.
Cause 2:	The data format of the selected audio channel (e. g. Dolby Digital or DTS) is not recognised by the decoder connected to the system.
Remedy:	Use a decoder which supports the data formats.

Problem:	**Surround decoder / receiver fails to recognise digital surround programs (Dolby Digital or dts).**
Cause:	The digital output of the **SADV 1250 R HD** is wrongly configured (**PCM** instead of **ALL**).
Remedy:	Set the digital output to the correct **ALL** setting (see **'Digital audio setup'**).

Problem:	**Nothing displayed on the screen.**
Cause:	Screen switched off.
Remedy:	Press (DISP) button to switch it on again.

Problem:	**The disc will not play once the disc drawer is closed.**
Cause 1:	Disc not inserted correctly.
Remedy:	Position the disc centrally: printed face up.
Cause 2:	Disc soiled.
Remedy:	Carefully clean the disc by wiping with a soft cloth from the centre to the edge. Replace the disc and try again.
Cause 3:	Disc damaged in the area of the Table of Contents (TOC). Disc unusable.
Remedy:	No remedy possible.
Cause 4:	Machine has got very cold (e. g. after transport), allowing condensation to form on the laser sensor optics.
Remedy:	Leave the machine to warm up for about an hour in a warm, well ventilated place.

Problem:	**Disc stops playing, or 'skips'.**
Cause:	Disc dirty or damaged.
Remedy:	Clean disc. Damage cannot be repaired!

Problem:	**Black and white picture, distortion or scrolling when playing a DVD or VCD.**
Cause:	The television is not set to the same picture name (PAL / NTSC) as the disc, or cannot process its picture norm.
Remedy 1:	chose PAL/NTSC according to your TV set in the menu **'*Video setup /TV type*'**
Remedy 2:	Use a multi-norm TV set. These sets automatically switch to the current picture norm, or can be switched over manually

Problem:	**After removing the disc the machine fails to return to the Start screen.**
Cause:	The program may be waiting for a further disc.
Remedy:	Insert the next disc.

Problem:	**The picture is displayed too small or incompletely (abbreviated).**
Cause 1:	The DVD in the drawer is not set to the same picture format (**4 : 3** or **16 : 9**) as the TV set connected to the system.
Remedy:	Set the correct picture format in the **Setup** menu.
Cause 2:	Many DVDs contain film recordings in different picture formats on the front and rear faces.
Remedy:	Turn the DVD over, or set the correct picture format in the menu **'*Video Setup / TV display*'**.
Cause 3:	The television is set to the wrong picture format.
Remedy:	Set the TV to the correct picture format, i. e. the one corresponding to the DVD.

Problem:	**The SADV 1250 R HD fails to carry out certain functions.**
Cause 1:	Function blocked for this DVD.
Cause 2:	Function (e. g. camera angle, sub-titles etc.) not present on this DVD.
Remedy:	No remedy possible.

Problem:	**After inserting a DVD the screen displays a warning of the wrong regional code.**
Cause:	The DVD is not approved for your region.
Remedy:	Contact your DVD supplier and exchange the disc for a version approved for your region.

Problem:	**In rare cases the DVD's Disc Menu cannot be operated when the 'Pan-Scan' picture format is set.**
Remedy:	Set picture format to "Letterbox"; call up the Disc Menu again.

Problem:	**If the SADV 1250 R HD is connected to a TV set directly using a SCART lead, this can result in a scrolling DVD picture appearing on all programme memories. This problem may occur with many types of TV.**
Cause:	The TV set is analysing the A/V switching signal from the DVD player incorrectly, or not at all.
Remedy 1:	If possible, call up the Setup menu for your TV set and switch off RGB priority. Select the RGB signal type for the DVD SCART input of your TV set.
Remedy 2:	If your television does not provide this option, connect the DVD player using an S-VHS lead, or use a SCART lead without RGB signal. Ask your **T+A** dealer for help with this.
Remedy 3:	When watching TV, switch off the DVD player by pressing the (ON) button on the front panel.

Problem:	**When used in a non-T+A system the machine does not respond to remote control commands, or cannot be switched on by remote control.**
Cause:	**E 2000** remote control receiver not connected.
Remedy:	Connect the **E 2000** remote control receiver as shown in **Wiring Diagram 3**. Press the **source select button** (CD) (or (AUX)) on the remote control handset to switch the machine on.

Problem:	When operating the menu for the surround decoder or surround receiver, the **SADV 1250 R HD** also responds.
Cause:	**E 2000** connected to the **SADV 1250 R HD**.
Remedy:	Connect the **E 2000** to the pre-amplifier, integrated amplifier or receiver.

Problem:	**MP3 CD does not play back.**
Cause:	MP3 format not supported (see **'*Playing MP3 CDs*'**).
Remedy:	(see **'*Playing MP3 CDs*'**)

Problem:	**Distorted or double picture at the YUV output**
Cause:	P-Scan switched on buit TV set not compatible with progressive video signals
Remedy:	Switch P-Scan off ((P-SCAN) button on the front panel).

Problem:	**No picture.**
Cause:	Video-output switched off
Remedy:	switch ON the video output ((VIDEO OFF) button on the front panel)

Problem:	**Bad or distorted sound reproduction**
Cause 1:	Multi channel mode is selected but only a stereo amplifier is connected
Remedy:	Switch to STEREO operation ((AUDIO MODE)-button on the front panel).
Cause 2:	a multi channel amplifier is used but it is switched to STEREO operation mode
Remedy:	switch the surround-amplifier to multi channel mode

Problem:	**'*OVERHEAT*' displayed, playback stopped**
Cause:	Device is over heated, too little flow of cooling air
Remedy:	change the installation of your system to provide sufficient cooling. do not place the **SADV 1250 R HD** on top of hot equipment like amplifiers or surround receivers

Problem:	**Not possible to switch to MCH mode**
Cause:	Disc does not contain a multi channel layer
Remedy:	no remedy, disc can only be played back in Stereo.

Problem:	**The 'WIDE'-mode can not be selected**
Cause:	switch **'WIDE'** at the back panel is set position **'Disable'**.
Remedy:	Set switch to position **'Enable'**.

Problem:	**Discs can not be played. A message to enter a PIN appears.**
Cause:	This disc is locked
Remedy:	Enter a valid PIN number or unlock the disc (see menu **'*Basic settings (Preference page*'**).
Note:	In case you have forgotten your PIN number, enter the menu **'*Basic settings (Preference page) / Password*'**. Then enter 000 000 twice. The PIN is now reset to to 000 000.

Specification

Mechanism:	high precision linear tracking drive	
	GaAlAs semiconductor laser: 785 nm / 10 mW	(VCD / CD)
	650 nm / 7 mW	(DVD / SACD)
Formats		
Video	DVD, DVD+R / +RW, DVD-R / -RW, VCD, SVCD	
Audio	CD, CD-R / RW, MP3-CD, SACD Stereo + Multi channel	
Picture	Picture CD (JPEG)	
Audio section		
Analogue audio outputs	2 x Stereo, 6 x Multi channel, 2 x Stereo TV	
Digital audio outputs	1 x coaxial, 1 optical,	IEC 60958 (CDDA / LPCM), IEC 61937 (MPEG1/2, Dolby Digital, dts)
D / A converter for CD, DVD, (S)VCD, MP3		
front channels (MCH analog OUT)		
Stereo channels L/R	Double-Mono Differential 2x24 Bit / 384 kHz Sigma / Delta converter	
Surround channels / Center / Subwoofer	4 x 24 Bit / 384 kHz Sigma / Delta	
Downmix (TV)	2 x 24 Bit / 384 kHz Sigma / Delta	
Frequency response: CD	2 Hz – 20 kHz / 100 dB	
SACD	2 Hz – 44 kHz / 110 dB	
DVD-V	2 Hz - 22 kHz / 100 dB	
DVD 96/24	2 Hz - 44 kHz / 110 dB	
Total harmonic distortion / Intermodulation:	< 0.001 %	
Effective system dynamics CD / SACD:	100 dB / 110 dB	
Signal / noise ratio:	115 dB	
Channel separation:	110 dB	
Video section		
TV-Standard:	PAL, NTSC	
Video-Format:	MPEG 1 für VCD / MPEG 2 für DVD	
HD outputs	480p/576p, 720p, 1080i	
SD outputs	480i/576i	
Video DA Converter	12-bit / 216 MHz	
Bandwidth	12.5 MHz (Luma), 6 MHz (Chroma)	
Video-Output:	1.0 V_{SS} / 75 Ω	
S-Video Output: (Y)	1.0 V_{SS} / 75 Ω	
(C)	300 mV_{SS} (Burst) / 75 Ω	
RGB (SCART-Output):	0.7 V_{SS} / 75 Ω	
Analogue-Audio-Output:	1.9 V_{eff} / 450 Ω	
General		
Power supply:	230 V / 50 Hz, 40 VA oder / or 117 V / 60 Hz, 40 VA (see print on back panel)	
standard accessories:	power cable, **R**LINK-cable, Video-cable, Stereo cable User manual	

We reserve the right to introduce technically founded modifications.

T+A elektroakustik GmbH & Co. KG

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